

ABSTRACT OF THE DISCLOSURE

A fuel storage tank vapor cooler to effect pressure reduction, in a fuel dispensing system, including the application of a refrigeration unit, that operates under the effects of a control unit, sensitive to vapor pressures, and vapor flow, to initiate the operations of the refrigeration unit, and effecting, through a properly located heat exchanger, a reduction in the temperature of the stored vapors, and thereby reducing its incident pressure. Such heat exchangers may be located either within the vapor storage area of the underground storage tank, the heat exchanger may locate in cooperation with the vapor return line, to the underground storage tank, or it may be located within the vent line from the storage tank, to chill the vapors and thereby provide for a reduction in their pressure. Such heat exchangers may be used in combination, or individually, whatever is determined to obtain the results as desired from the system of this invention.